

#6/A
5/2/02
✓short

Docket No. 71987-10000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: C. Huang et al.

U.S.S.N.: 09/916,021

FILED: July 26, 2001

GROUP: 2815

EXAMINER: C. Chu

FOR: SEMICONDUCTOR PACKAGE WITH HEAT SINK

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to Group 2800 of the U.S. Patent & Trademark Office by facsimile number 703-872-9318 on April 30, 2002.

By: 
Steven M. Jensen

Assistant Commissioner for Patents
Washington, D.C. 20231

FAX COPY RECEIVED

APR 30 2002

TECHNOLOGY CENTER 2800

Sir:

AMENDMENT

Applicants are in receipt of the Office Action dated January 31, 2002 of the above-referenced application. Please amend the application as follows:

IN THE SPECIFICATION

On page 6, last paragraph to page 7, line 7, please amend the paragraph as follows:

a' The heat sink 23 has a first surface 230, a second surface 231 opposing the first surface 230, and a plurality of side faces 232 interconnecting the first surface 230 and the second surface 231. The second surface 231 is coated with a gold layer 233 thereon, while adhesion between the gold layer 233 and a molding resin used for forming the encapsulant 24 is smaller than that between the first surface 230 of the heat sink 23 and the molding resin. The first surface 230 is attached to the inactive surface 211 of the chip 21 through a thermally conductive adhesive 26, allowing heat generated by the chip 21 to be directly transmitted to the heat sink 23 without

E
&
A

EDWARDS & ANGELL, LLP

COUNSELLORS AT LAW
since 1894

DIKE, BRONSTEIN, ROBERTS & CUSHMAN
Intellectual Property Practice Group

MARLBOROUGH, MA OFFICE
TELEPHONE (508) 483-7772

WASHINGTON, DC
TELEPHONE (703) 553-2563

MAILING ADDRESS:
P.O. BOX 9169
BOSTON, MA 02209

101 FEDERAL STREET
BOSTON, MA 02110
(617) 439-4444
FAX (617) 439-4170

FACSIMILE TRANSMITTAL

DATE: April 30, 2002

TO: U.S. Patent & Trademark Office
Examining Group 2800

FAX NO.: 1-703-872-9318

FROM: Steven M. Jensen

FAX NO.: 617-439-4170

Our Docket No.: 71987-10000

No. of Pages (incl. cover): 10

Re: U.S. Serial Number 09/916,021

MESSAGE:

Please enter the attached amendment.

FAX COPY RECEIVED

APR 30 2002

TECHNOLOGY CENTER 2800

NOTICE

The message and/or information which accompanies this facsimile cover sheet is intended for the addressee named above only. If you are not the intended recipient, please contact the sender by collect telephone at the number indicated. You will be advised regarding the disposition of what you have received. The mis-delivery of the message and/or information which accompanies this facsimile cover sheet is not intended to be and shall not constitute a disclosure of trade secrets, of attorney work product or of an attorney-client communication. No waiver of any privilege is intended. Thank you for your attention to this matter.

BOSTON HARTFORD NEWPORT NEW YORK PALM BEACH PROVIDENCE SHORT HILLS